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Local Benefits



- **Elimination of Railroad Crossings**
 - Safety
 - Reduced Traffic Delays
 - Reduced Noise and Pollution
- **Improved Metrolink and Amtrak Operations**
- **Promotes Smart Growth**
- **Local Connections**
- **Less Pollution**
- **Reduce Highway Traffic**
- **Decrease Fuel Use**
 - Energy Independence
 - Cleaner Air
- **Improvements to Existing Rail Lines**
 - Commuter Rail
 - Freight
- **Safety**
- **Sustainable Cities**
- **Economic Opportunity**
- **Local Jobs**



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Palmdale - L.A. Regional Environmental/Engineering Work
Preliminary Project Level EIR/EIS Schedule

PROJECT-LEVEL EIR/EIS TASKS	2007				2008				2009			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Notice of Preparation / Notice of Intent (NOP/NOI)	■											
Scoping (Public and Agency)		■										
Engineering and Environmental Studies		■	■	■								
Draft Environmental Impact Report / Statement (EIR/EIS)				■	■	■	■	■				
Public Circulation / Comment									■	■		
Final EIR/EIS										■	■	■
Notice of Determination / Record of Decision (NOD/ROD)												■



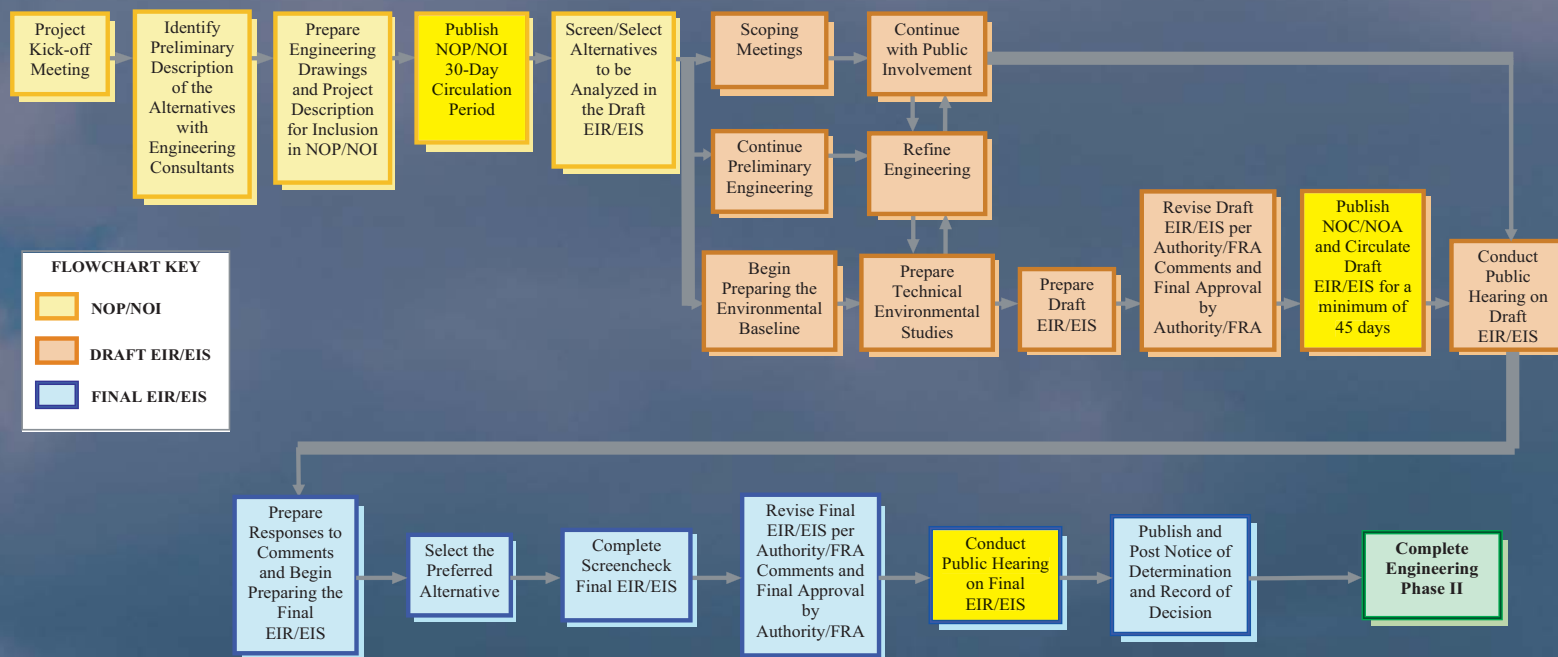
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Environmental Process Flow Chart



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Los Angeles to Orange Regional Environmental/Engineering Work Preliminary Project Level EIR/EIS Schedule

PROJECT-LEVEL EIR/EIS TASKS	2007				2008				2009			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Notice of Preparation / Notice of Intent (NOP/NOI)	■											
Scoping (Public and Agency)		■										
Engineering and Environmental Studies		■	■	■								
Draft Environmental Impact Report / Statement (EIR/EIS)				■	■	■	■	■				
Public Circulation / Comment									■			
Final EIR/EIS										■	■	
Notice of Determination / Record of Decision (NOD/ROD)												■



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Conceptual Station Design



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Existing Typical Railroad Crossing



Conceptual Grade Separated Railroad Crossing



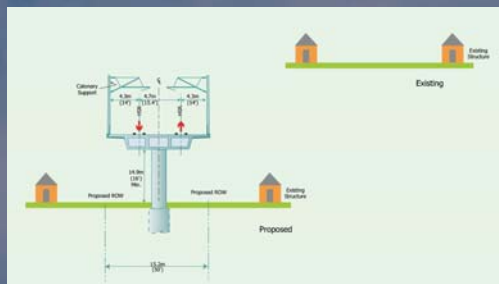
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Typical Structures along Alignment



Aerial

Typical Structures

Hillside Cut with Retaining Wall



- Much of alignment will run on new tracks and need special structures to fit into built environment

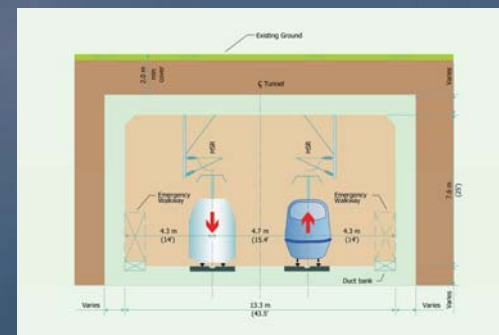
- Structures could include:
 - Aerial Structures (bridges)
 - Tunnels
 - Trenches
 - Hillside Cuts



Trench with Retaining Walls

Typical Structures

Tunnel



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What are High-Speed Trains?

- Intercity passenger trains have maximum speeds of at least 200 mph
- Tracks separated from roads and highways
- Proven technology - Safe and Reliable
 - Successfully operating
 - throughout Europe and Asia



CHSRA Train Concept

Other High-Speed Trains around the World



TGV, France



Intercity Express,
Germany



Shinkansen, Japan



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Additional Efforts

- New Ridership Estimates (2007)
- Fare and Revenue Estimates
- Financial Plan
- Right-of-Way Preservation
- Phasing Plan
- Organization of Construction and Operation Contracts



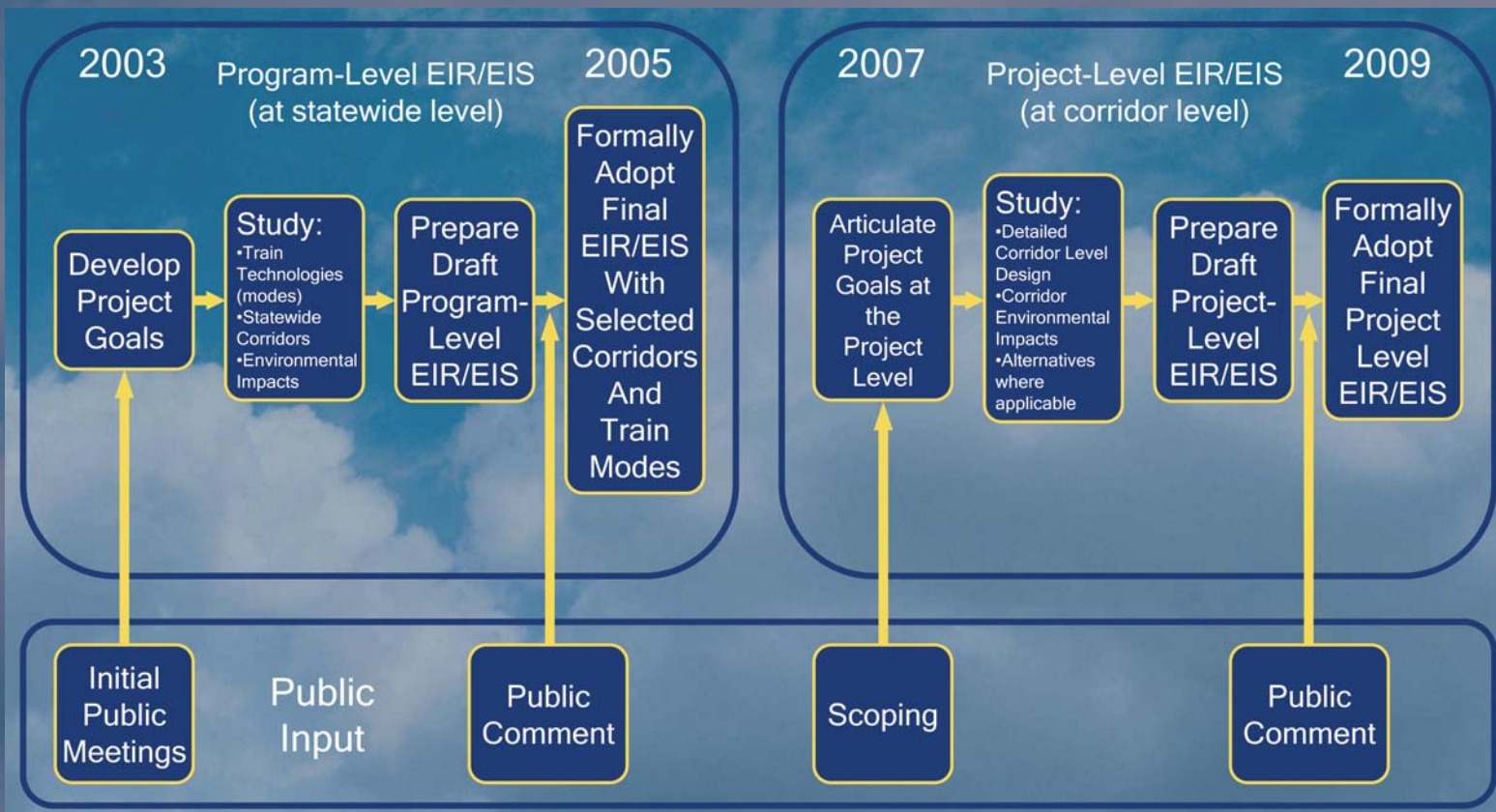
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Project Process



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